

AMENDMENTS TO THE SPECIFICATION

Please add the following section before the section titled “Background of the Invention” that appears at the top of page 1:

Related Applications

This application is a Continuation in Part of U.S. Patent Application US 2002/0138637 A1 (09/816,004) filed March 22, 2001 titled “Computer Architecture and Software Cells for Broadband Networks,” and has at least one of the same inventors as the above referenced U.S. Patent Applications.

Please amend the paragraph beginning on page 2, line 27 as follows:

However, there are many subtasks that run adequately on either processor type. In this case, the subtask would be best run on a processor that is not heavily loaded at a particular time. A challenge found, however, is that existing art requires a software developer to identify a processor type at compilation, not at runtime. A notable exception to this, however, is an environment that uses a “virtual machine” (such as a [[Java]] Java_{TM} Virtual Machine [[JVM]] JVM_{TM}), so that the applications are compiled to operate using the virtual machine with each supported operating environment employing a different version of the virtual machine that operates on the operating environment. A challenge of virtual machines, however, is that they require system resources to manage the virtual environment (i.e., a garbage-collected heap, etc.) and, because the application code is being performed by a virtual machine rather than directly by a processor, virtual machine code is traditionally slower and less efficient than code that executes directly on a processor.